

# PESTICIDE EDUCATIONAL RESOURCES COLLABORATIVE

1st Quarter Report: January 1- March 31, 2020

Fifth Operational Year: 1/01/20 – 12/31/20

Cooperative Agreement # X8-83616301  
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**PERC**

Pesticide Educational Resources Collaborative

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PERC’s Goal and Objective

The objective of the Pesticide Educational Resources Collaborative (PERC) is to implement the development, revision, or update of pesticide safety materials and resources that prevent and reduce pesticide risks to humans, communities, and ecosystems through education and outreach targeted toward agricultural workers, pesticide applicators, and others, through partners and stakeholders. This is complementary of the Environmental Protection Agency’s 2018-2022 Strategic Plan, Goal 1 – Core Mission, Objective 1.4: Ensure Safety of Chemicals in the Marketplace. Effectively implement the Toxic Substances Control Act, and the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), to ensure new and existing chemicals and pesticides are reviewed for their potential risks to human health and the environment and actions are taken when necessary.

**PERC is a cooperative agreement (#X8-83616301) between the U.S. Environmental Protection Agency’s Office of Pesticide Programs and University of California Davis Extension, in collaboration with Oregon State University.**

Submitted to:

U.S. Environmental Protection Agency  
Office of Pesticide Programs

Submitted on April 27, 2020

Suzanne Forsyth  
PERC Administrator and Principal Investigator

## Program Highlights and Summary

On March 8-11, 2020 Suzanne Forsyth and Kaci Buhl attended the American Association of Pesticide Control Officials (AAPCO) Annual Meeting in Alexandria, Virginia. Suzanne and Kaci co-presented a session titled, “Pesticide Educational Resources Collaborative Update, Accomplishments and Needs”. Suzanne Forsyth also presented about PERC and PERC Resources at the Tribal Pesticide Program Council Meeting on March 11, 2020 in Arlington, Virginia. Kaci Buhl met with the EPA Certification and Worker Protection Branch on March 12 to cover the Advisory Board ranked project ideas for 2020.

In Quarter 1, PERC in collaboration with NPSEC completed a new project - an eBook format for the Seed Treatment Manual, which will soon be posted on the [NPSEC website](#).

PERC’s publications are available on the [PERC website](#) and for print through the National Pesticide Safety Education Center ([NPSEC](#)).

PERC’s major activities for Project Year 2020 will be informed and promoted by a diverse Advisory Board (AB) representing key groups of stakeholders from different geographic regions and sectors.

A solicitation for the Project Year 5 Advisory Board recruitment was published on February 10 and closed on February 26. Applications were scored based on qualifications, and final acceptances were sent out by March 17, 2020. Three new members were selected for the 2020 Advisory Board including Lauren Dana from Illinois, Catherine LePrevost from North Carolina, and Dave Reddel from Iowa.

The following are the 2020 PERC Advisory Board members. They will represent their constituencies on needs of time-sensitive materials, participate in prioritization, review draft materials produced through the cooperative agreement, and promote finished products in their regions/sectors.

1. Craig Anderson, Michigan Farm Bureau
2. Lisa Blecker, University of California
3. Lauren Dana, Legal Aid Chicago
4. Melanie Forti, Association of Farmworker Opportunity Programs
5. Carmina Hanson, North Carolina Department of Agriculture and Consumer Services
6. Jolene Hendrix, University of Minnesota Extension Services
7. Caroline Kirby, Plunkett’s Pest Control
8. Jane Larson, Wisconsin Department of Agriculture, Trade and Consumer Protection
9. Catherine LePrevost, North Carolina State University
10. Bethany Plewe, U.S. EPA Region 10
11. Dave Reddel, Berkley Agribusiness
12. Amy Sullivan, Association of American Pesticide Control Officials
13. Leslie Talpasanu, California Department of Pesticide Regulation

The current Advisory Board lacks representation from the Tribal, Southern, and Pacific Island communities. Suzanne and Kaci will work to identify suitable candidates in 2021 and invite them to apply to the board but will not be expanding the board representation at this time.

The location for the 2020 Annual In-person Advisory Board meeting has been chosen with input from the 2019 AB, and will be held in Omaha, Nebraska on November 2-5, 2020.

### PERC Resources Downloaded in Quarter 1 (January through March 2020)

How to Comply Manual (in whole or parts) – English	3,754
How to Comply Manual (in whole or parts) – Spanish	243
Quick Reference Guide – English	1,529
Quick Reference Guide – Spanish	274
Central Posting Poster – English/Spanish	468
Central Posting Poster – English	497
Central Posting Poster – Spanish	144
Central Posting Poster - Tagalog	18
Central Posting Poster – Traditional Chinese	17
Central Posting Poster – English/Traditional Chinese	12
Central Posting Poster – Haitian Creole	16
Central Posting Poster – English/Haitian Creole	17
Central Posting Poster – English/Russian	8
Central Posting Poster – Russian	9
Central Posting Poster – English/Tagalog	14
Central Posting Poster – Ilocano	14
Central Posting Poster – English/Ilocano	9
Central Posting Poster – English/Vietnamese	7
Central Posting Poster – Vietnamese	11
Central Posting Poster – Karen	10
WPS Ag Worker Training Flipchart – English/Spanish	499
WPS Ag Worker Training Flipchart – English/Chinese	190
WPS Ag Worker Training Flipchart – English/Russian	17
WPS Ag Worker Training Flipchart – English/Vietnamese	45
WPS Ag Worker Training Flipchart – English/Tagalog	72
WPS Ag Worker Training Flipchart – English/Haitian Creole	43
WPS Respiratory Protection Guide– English	683
WPS Respiratory Protection Guide– Spanish	309
WPS Train-the-Trainer Manual (in whole or parts)– English	2,178
WPS Train-the-Trainer Manual (in whole or parts)– Spanish	2,658
WPS Pesticide Handler Training PowerPoint– English	325
WPS Pesticide Handler Training PowerPoint– Spanish	231
WPS Train-the-Trainer PowerPoint– English	312
WPS Train-the-Trainer PowerPoint– Spanish	981

WPS Ag Worker Training PowerPoint– English	238
WPS Ag Worker Training PowerPoint– Spanish	119
WPS Ag Employer Handbook- English	199
WPS Ag Employer Handbook - Spanish	83
WPS Pesticide Handler Training Video - English	267
WPS Pesticide Handler Training Video – Spanish	255
WPS Ag Worker Training Video - English	247
WPS Ag Worker Training Video - Spanish	274
Total	17,296

PERC continues to expand the availability of resources by collaborating with NPSEC.

### NPSEC Reported Sales for Quarter 3 (January through March 2019)

Central Posting Poster – English	178
Central Posting Poster – Spanish	117
Central Posting Poster – Haitian Creole	1
Central Posting Poster - Tagalog	2
How to Comply Manual (English)	143
How to Comply Manual (Spanish)	1
WPS Agricultural Employer Handbook (English)	158
WPS Agricultural Employer Handbook (Spanish)	41
WPS DVD – English	45
WPS DVD – Spanish	48
WPS Respiratory Protection Guide (English)	16
WPS Respiratory Protection Guide (Spanish)	2
WPS Train the Trainer – English	16
WPS Train the Trainer – Spanish	11
Seed Treatment Manual	2
WPS Mega Thumb Drive	15
Total	796

## Objectives and Deliverables

**Objective 1: To manage or implement the development, revision and updating of pesticide safety materials to advance the protection of humans, communities, and ecosystems from pesticide illness and injury.**

### Measure A: Engagement with Stakeholders

Anticipated out-comes for Q1	Actual outcomes	Next quarter
Take advantage of opportunities to engage additional stakeholders.	<p>Suzanne Forsyth and Kaci Buhl attended the March 2020 American Association of Pesticide Officials (APPCO) meeting in Alexandria, Virginia. They co-presented a session titled, "Pesticide Educational Resources Collaborative Update: Accomplishments and Needs".</p> <p>Suzanne presented about PERC and PERC resources at the Tribal Pesticide Program Council meeting on March 11, 2020 in Arlington, Virginia.</p> <p>Kaci met with the EPA Certification and Worker Protection Branch on March 12 to cover 2020 project ideas.</p> <p>Kaci Buhl presented information about PERC and PERC Resources at the following locations/dates:</p> <ul style="list-style-type: none"> <li>January 7: Chemical Applications Short Course in Wilsonville, Oregon</li> <li>February 5: Valley Ag Grower Meeting in McMinnville, Oregon</li> <li>February 6: Central Oregon Farm Fair in Bend, Oregon</li> <li>February 7: Central Oregon Pest Management Course in Bend, Oregon</li> <li>February 12: Lane County Pest Management Course in Eugene, Oregon.</li> </ul>	Take advantage of opportunities to engage additional stakeholders.
Convene Advisory Board meetings in a way that builds community and comradery.	PERC communicated with the 2019 Advisory Board monthly, and the Co-Chairs facilitated introductions, information-sharing, and consideration of diverse perspectives on a monthly basis.	Convene Advisory Board meetings in a way that builds community and comradery.
Convene In-person Advisory Board meeting to facilitate resource needs.	The 2020 Annual In-person Advisory Board meeting location has been decided with input from the 2019 Advisory Board for Omaha, Nebraska. The in-person AB meeting will take place on November 2-5, 2020.	Convene in-person Advisory Board meeting in a way that builds community and comradery.

Induct Year 5 Advisory Board Members; discuss state/regional needs	A solicitation for the Project Year 5 Advisory Board was published on February 10, 2020. Applications were scored based on qualifications and final acceptances were sent by March 17, 2020. Three new members have been selected for the Year 5 2020 Advisory Board. New AB members are Lauren Dana from Illinois, Catherine LePrevost from North Carolina, and Dave Reddel from Iowa.	
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**Measure B: Approval of Materials**

Anticipated out-comes for Q1	Actual outcomes	Next quarter
Evaluate all fast-track proposals within two weeks.	The Advisory Board was not presented with any fast track proposals during Quarter 1.	Evaluate all fast-track proposals within two weeks.

**Measure C: Policies/Procedures**

Anticipated out-comes for Q1	Actual outcomes	Next quarter
Track the number of new and/or updated PERC policies and procedures.	Implementation of current policies continued.	Track the number of new and/or updated PERC policies and procedures.

**Measure D: Technical and Professional Experts**

Anticipated out-comes for Q1	Actual outcomes	Next quarter
Distribute solicitations for Year 5 Advisory Board members	A solicitation was published on February 10, 2020 and distributed to all PERC email lists and national stakeholders, including AAPSE, AAPCO, and AFOP. The application deadline was set for February 2, 2020. After receiving applications, PERC chose three new qualified applicants and final acceptances were sent out by March 17, 2020.	

Track the number and nature of SMEs and/or production professionals retained.	<p>Sandra McDonald continues her lead work with the Non-Soil Fumigation Manual and Exam Bank project. Steve Tomasko who was hired on as a writer for the Non-Soil Fumigation Manual and Exam Bank project, continues to work closely with Sandra McDonald.</p> <p>Spanish translation team member, Carmina Hanson, reviewed storyboards for Modules 1-7 of the Spanish WPS online Train-the-Trainer course.</p> <p>Michael Yang from University of California, Ag and Natural Resources Cooperative Extension-Fresno County, is a Hmong Agricultural Assistant who has agreed to translate the WPS ag worker training flipchart into Hmong. We are currently working with Michael and his supervisor Ruth Dahlquist from UCANR to secure his compensation details and are anticipating a summer or early fall completion date for the Hmong flipchart worker training translation.</p> <p>We have also retained a qualified team of SMEs and video production specialists to create an AB-approved non-Ag pesticide safety training video. The video project lead is Janet Fults along with team members Katrina Hunter, Juan Concha-Holmes, Chris Winson, and Jolene Hendrix. All team members seeking compensation have been successfully onboarded with UC Davis, Continuing and Professional Education in March, 2020. We have also hired professional video production specialist, Kristen Simoes, and video producer, Hal Simone, to aid with this video project. Completion date is set for no later than December 2020.</p>	Track the number and nature of SMEs and/or production professionals retained through fast-track procedures.
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### **Measure E: Financial Monitoring of Contractors & Sub awardees**

Anticipated outcomes for Q1	Actual outcomes	Next quarter
Solicit quarterly and annual summaries from all sub-awards, detailing their accomplishments in Year 5.	Sub-awardee activity for OSU is reflected in all quarterly and annual reports and is included in the 'Other' category. Financial monitoring of OSU expenditures is tracked quarterly upon receipt and review of their invoices.	Solicit quarterly and annual summaries from all sub-awards, detailing their accomplishments in Year 5.



**Measure F: Materials Development**

Anticipated out-comes for Q1	Actual outcomes	Next quarter
Track the number of new and/or updated (completed) educational resources.	In Quarter 1, PERC's Seed Treatment Manual became available in eBook form for purchase at the NPSEC store.	Track the number of new and/or updated (completed) educational resources.

**Measure G: Planning Time-bound Materials Development**

Anticipated out-comes for Q1	Actual outcomes	Next quarter
Track the number of new and/or updated time-bound project plans.	<p>The Spanish WPS online Train-the-Trainer course is currently still in development by the Spanish Translation Team. Half of the modules are in production by UCD-CPE's Center for online Education (COE).</p> <p>Sandra McDonald continues her assistance with the Non-Soil Fumigation Manual and Exam Bank project. Steve Tomasko was hired as a writer for the Non-Soil Fumigation project and continues to work closely with Sandra McDonald.</p>	Track the number of new and/or updated time-bound project plans.

**Objective 2: To enhance the capabilities of partners and stakeholders to develop and implement programs/activities that prevent and reduce pesticide risks to humans, communities, and ecosystems.**

**Measure A: Materials for Modification & Transfer**

Anticipated out-comes for Q1	Actual outcomes	Next quarter
Make modifiable versions of new PERC materials available 100% of the time when produced in Adobe InDesign or the Microsoft Office Suite.	<p>PERC WPS materials are available in a format that can be modified by the individual to fit their particular region's needs.</p> <p>In accordance with PERC policy, PERC C&amp;T materials are available in a format that can be modified but requires a signed agreement from an agency representative prohibiting the file from being shared widely.</p>	Make modifiable versions of new PERC materials available 100% of the time when produced in Adobe InDesign or the Microsoft Office Suite.

### **Measure B: Inventory of Resources**

Anticipated out-comes for Q1	Actual outcomes	Next quarter
Maintain inventory of training resources on the PERC website by adding new items as identified, removing outdated items as requested, and responding to stakeholder needs.	Ongoing management of training resources continues.	Maintain inventory of training resources on the PERC website by adding new items as identified, removing outdated items as requested, and responding to stakeholder needs.

### **Measure C: PERC Website**

Anticipated out-comes for Q1	Actual outcomes	Next quarter
Maintain the PERC website, including the status page (quarterly).	Ongoing management of the PERC website continues.	Maintain the PERC website, including the status page (quarterly).

### **Measure D: Planning and Reporting**

Anticipated out-comes for Q1	Actual outcomes	Next quarter
Submit quarterly reports within 30 days of the close of the quarter.	<p>PERC submitted the fourth quarter and annual report for Year 4 within 30 days of the close of the fourth quarter, which ended on December 30, 2019.</p> <p>The Q4 quarterly and annual report included a summary of expenditures, purchases, and other fiscal activities; a side-by-side comparison of actual accomplishments vs. project accomplishments; proposed timelines/milestones.</p>	Submit quarterly reports within 30 days of the close of the quarter.

**Measure E: Capacity Building**

Anticipated outcomes for Q3	Actual outcomes	Next quarter
Take advantage of efficient opportunities to engage additional stakeholders.	<p>Suzanne Forsyth and Kaci Buhl attended the March 2020 American Association of Pesticide Control Officials (AAPCO) meeting in Alexandria, Virginia. They co-presented a session titled, "Pesticide Educational Resources Collaborative Update: Accomplishments and Needs."</p> <p>Suzanne presented about PERC and PERC resources at the Tribal Pesticide Program Council meeting on March 11, 2020 in Arlington, Virginia.</p> <p>Kaci met with EPA's Certification and Worker Protection Branch on March 12, 2020 to cover PERC 2020 project ideas</p> <p>Kaci Buhl presented information about PERC and PERC Resources at the following locations/dates:</p> <ul style="list-style-type: none"> <li>• January 7: Chemical Applications Short Course in Wilsonville, Oregon</li> <li>• February 5: Valley Ag Grower Meeting in McMinnville, Oregon</li> <li>• February 6: Central Oregon Farm Fair in Bend, Oregon</li> <li>• February 7: Central Oregon Pest Management Course in Bend, Oregon</li> <li>• February 12: Lane County Pest Management Course in Eugene, Oregon.</li> </ul>	Take advantage of efficient opportunities to engage additional stakeholders.
Convene Advisory Board meetings in a way that builds community and comradery.	PERC communicated with the 2019 Advisory Board monthly, and the Co-Chairs facilitated introductions, information-sharing, and consideration of diverse perspectives.	Convene Advisory Board meetings in a way that builds community and comradery.

**Objective 3: To protect humans, communities and ecosystems from illness and injury caused by exposure to pesticides through education and outreach targeted toward agricultural workers, pesticide applicators, handlers, and others.**

**Measure A: Plain Language and Literacy Levels**

Anticipated out-comes for Q1	Actual outcomes	Next quarter
100% of materials should meet goals appropriate for the identified target audience, which may include trainers (12th grade reading level), trained professionals (10th grade reading level), the general public (8th grade reading level) or other types of user groups. Occasionally, the time-sensitive nature of the resource may make reading-level modifications untenable.	Subject Matter Experts (SMEs) continue to work on the Spanish WPS online Train-the-Trainer course. The Spanish Translation team has translated the course into Spanish using comparable reading levels used in the English version. They are currently reviewing drafts of the storyboards to ensure accuracy.	100% of materials should meet goals appropriate for the identified target audience, which may include trainers (12th grade reading level), trained professionals (10th grade reading level), the general public (8th grade reading level) or other types of user groups. Occasionally, the time-sensitive nature of the resource may make reading-level modifications untenable.

**Measure B: Formats of Materials**

Anticipated out-comes for Q3	Actual outcomes	Next quarter
PERC and its project teams will evaluate the need to duplicate any materials produced, considering the potential need for indoor/outdoor settings, language needs, and/or visual representations. If one of these duplications is large in scope, it would have to be prioritized (green-lighted) by the Advisory Board, and a project plan created.	<p>PERC materials are available in a format that can be modified by the individual to fit their particular region's needs or requirements.</p> <p>Michael Yang from University of California, Ag and Natural Resources Cooperative Extension-Fresno County is a Hmong Agricultural Assistant who has agreed to translate the WPS ag worker training flipchart into Hmong. We are currently working with Michael and his supervisor Ruth Dahlquist from University of California, Ag and Natural Resources to secure his compensation details and are anticipating a summer or early fall completion date for the Hmong flipchart translation.</p>	PERC and its project teams will evaluate the need to duplicate any materials produced, considering the potential need for indoor/outdoor settings, language needs, and/or visual representations. If one of these duplications is large in scope, it would have to be prioritized (green-lighted) by the Advisory Board, and a project plan created.

**Measure C: Material Format and Availability**

Anticipated out-comes for Q3	Actual outcomes	Next quarter
Summarize the items completed by PERC and through PERC collaborations, identifying the method of accessibility for stakeholders.	<p>In Quarter 1, PERC's Seed Treatment Manual was translated into an eBook format and will soon be available for purchase in the NPSEC store.</p> <p>PERC's publications are available on the <a href="#">PERC website</a> and for print through the National Pesticide Safety Education Center (<a href="#">NPSEC</a>).</p>	Summarize the items completed by PERC and through PERC collaborations, identifying the method of accessibility for stakeholders.

**Measure D: Promotion of Materials**

Anticipated outcomes for Q3	Actual outcomes	Next quarter
Take advantage of efficient opportunities to engage additional stakeholders.	<p>Suzanne Forsyth and Kaci Buhl attended the March 2020 American Association of Pesticide Control Officials (AAPCO) meeting in Alexandria, Virginia. They co-presented a session titled, "Pesticide Educational Resources Collaborative Update: Accomplishments and Needs."</p> <p>Suzanne presented about PERC and PERC resources at the Tribal Pesticide Program Council meeting on March 11, 2020 in Arlington, Virginia.</p> <p>Kaci met with the EPA Certification and Worker Protection Branch on March 12, 2020 to cover PERC 2020 project ideas.</p> <p>Kaci Buhl presented information about PERC and PERC Resources at the following locations:</p> <ul style="list-style-type: none"> <li>• January 7: Chemical Applications Short Course in Wilsonville, Oregon</li> <li>• February 5: Valley Ag Grower Meeting in McMinnville, Oregon</li> <li>• February 6: Central Oregon Farm Fair in Bend, Oregon</li> <li>• February 7: Central Oregon Pest Management Course in Bend, Oregon</li> <li>• February 12: Lane County Pest Management Course in Eugene, Oregon</li> </ul>	Take advantage of efficient opportunities to engage additional stakeholders.

<p>Advisory Board members should present and discuss PERC materials / website as they engage with their respective constituencies.</p>	<p>Craig Anderson shared PERC information and resources at eight different trainings across Michigan with a total of 221 participants. He also conducted a WPS training with over 331 participants.</p> <p>Betsy Danielson held six WPS Worker/Handler Trainings using PERC resources through the Iowa State University in Ames, IA.</p> <p>Melanie Forti with the Association of Farmworker Opportunity Programs (AFOP) distributed PERC materials to 250 trainers in 30 states. Materials distributed included the Respirator Guidebook, Manual for Trainers of Agricultural Workers and Pesticide Handlers, Employer Handbook, and others. She shared PERC's website to trainers via email and webinars and also shared PERC's website with 10 individuals that emailed her specifically requesting PERC materials and information.</p> <p>Carmina Hanson participated in the March 6th Worker Protection Standards North Carolina Partnership Exploration Meeting, organized by Toxic Free North Carolina. This meeting had over 25 participants who work with farmworkers in all areas such as advocates, social workers, trainers, Health Department officials and Health clinic staff. Carmina was able to promote PERC by distributing PERC materials as well as the How to Comply Manual in Spanish.</p> <p>Jane Larson spoke to 55 cranberry growers on March 10, 2020 about worker protection standard and was able to promote all PERC resources in her handout given to the growers. These growers are part of the Hancock Natural Resources Group which is part of Hancock Insurance. Hancock operates farmland all over the United States and overseas including Australia.</p>	<p>Advisory Board members should present and discuss PERC materials / website as they engage with their respective constituencies.</p>
<p>Promote PERC at the annual AAPCO meeting</p>	<p>Suzanne Forsyth and Kaci Buhl attended the March 2020 American Association of Pesticide Control Officials (AAPCO) meeting in Alexandria, Virginia. They co-presented a session titled, "Pesticide Educational Resources Collaborative Update: Accomplishments and Needs."</p>	
<p>Use an email distribution list or lists for individuals interested in WPS materials available through PERC.</p>	<p>Ongoing management of PERC email lists continues. Current subscriptions to the PERC email lists include:</p> <ul style="list-style-type: none"> <li>percupdates: 317</li> <li>perc-agemploy: 54</li> <li>perc-handlers: 38</li> <li>perc-workers: 20</li> <li>perc-trainers: 109</li> </ul>	<p>Use an email distribution list or lists for individuals interested in WPS materials available through PERC.</p>

## Difficulties and Departures

Due to the current COVID-19 health crisis, UCD-CPE staff, OSU staff, SMEs, and other PERC constituents began working remotely in late March 2020. While this didn't have any bearing on Q1 outputs, it might affect the team's ability to work at full capacity in Q2 and Q3. PERC is committed to performing at its best, as is achievable given the change in workplace and processes.

## Sub-Awards, Contracts and Other Agreements

As part of its project proposal, UCDE named Oregon State University as a collaborator and therefore was not required to compete this sub-award further. Dr. Craig Marcus and Kaci Buhl serve as co-PIs. Under Kaci's direction, OSU helped to create publications/documents identified through PERC needs assessments, wrote publications/documents on topics that fell within existing areas of expertise, built, housed and maintained the PERC website, and developed and maintained an inventory of existing pesticide safety materials. The total amount of this sub-award in Project Year 2020 for 1/1/20 through 12/31/20 is \$175,000. UCD-CPE has not yet received OSU's Q1 invoice. The total for Project Year 2020 is not expected to exceed the negotiated \$175,000 amount.

## Quarterly Budget Expenditures – Project Year 2020

**Table 1 - Quarter 1: January 1, 2020 – March 30, 2020**

<b>Project Year 2020</b>	<b>Qtr 1 Actual</b>	<b>Budgeted Annual</b>	<b>% Used of Annual</b>
A. Personnel	\$30,144	\$115,593	26.08%
B. Fringe Benefits	\$10,444	\$52,836	19.77%
C. Travel	\$0	\$9,792	0%
D. Equipment	\$0	\$0	0%
E. Supplies	\$0	\$1,743	0%
F. Contractual	\$13,444	\$246,730	5.45%
G. Construction	\$0	\$0	0%
H. Other	\$34	\$75,813	0.04%
H. Other (indirect exempt)	\$0	\$191,239	0%
Total Direct Costs	\$54,067	\$693,746	7.79%
Total Modified Direct Costs (MTDC)	\$54,067	\$502,507	10.76%
Indirect Costs (based on MTDC)	\$27,033	\$251,253	10.76%
	<b>\$81,100</b>	<b>\$945,000</b>	<b>8.58%</b>

Table 1 reports resources used during the first quarter of Project Year 2020 are \$81,100 representing 8.58% of the annual budget of \$945,000. UCD-CPE expects a few remaining Q1 items to post in Q2. These additional direct expenses will be reflected in the next quarterly report. The carryover from previous years will be available for reporting in Q2.